



United States Department of the Interior

FISH AND WILDLIFE SERVICE
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MEMORANDUM

To: Fisheries Supervisor, Columbia Basin Ecoregion
Region 1, Portland, OR

From: Complex Manager
Dworshak Fisheries Complex

Subject: **Monthly Activity Report –September, 2010**

Fish Management Culture

Dworshak

SPRING CHINOOK SALMON (SCS)

Brood Year 2009(BY09)

At the end of the month there were 1,087,455 BY09 SCS in a total of 29 raceways (RW's) averaging 51 fish per pound (fpp) and 102 mm (4.0 inches) total length. Overall mortality was 0.2 percent and water temperature in the RW's averaged 47.8°F during the month.

Brood Year 2010 (BY10)

At the end of the month there were eggs from 345 Dworshak stock and 222 Kooskia stock females incubating at Dworshak. Water temperature on the eggs averaged 40.1°F on chilled water and 43.1°F on non-chilled water for the month. The chiller was turned on for A-B banks of Heath Incubators on September 1st and eggs were tempered to this water on September 2.

COHO SALMON (COS)

Brood Year 2009

At the end of the month there were 322,963 COS on station averaging 39 fpp and 106 mm (4.2 inches) total length. Mortality was 0.11 percent and temperature averaged 47.8°F for the month.

SUMMER STEELHEAD (SST)

Brood Year 2010

At the end of the month, System I had 823,039 SST from Takes 7-10 which averaged 30 fpp and 116 mm (4.6 inches) total length. On September 1, System I was converted from exclusively reservoir water to a blend of reservoir and river water. This was done due to

Clearwater State Fish Hatchery needing more reservoir water. Mortality for the month was 0.42 percent and water temperature averaged 50.7°F. During September, ½ of the SST from Take 7 were transferred from System I into System II. Within System I, SST from Take 8 were also split from two ponds to eight ponds; SST from Take 9 split from three ponds to eight ponds; and SST from Take 10 split from two ponds to five ponds. Inventory numbers were recorded as the fish were pumped through a VAKI fish counter from PR Aqua.

At the end of the month System II had 776,376 SST from Takes 4-7 which averaged 26 fpp and 122 mm (4.8 inches) total length. Mortality for the month was 0.74 percent and water temperature averaged 47.8°F.

At the end of the month System III had 780,843 SST from Takes 1-4 which averaged 16 fpp and 143 mm (5.6 inches) total length. On September 7, SST in BPs 56 and 70 (65,000 SST) were diagnosed with *Infectious Hematopoietic Necrosis Virus* (IHNV) and had elevated mortality. The decision was made to destroy these fish in an attempt to keep the virus from spreading to other rearing units on the hatchery. The mortality for the month for System III was 8.1 percent and reflects these numbers. Water temperature averaged 47.8°F for the month.

RAINBOW TROUT (RBT)

Brood Year 2010

At the end of the month there were 8,826 triploid RBT averaging 12 fpp and 152 mm (6.0 inches) total length. Mortality for the month was 0.3 percent. These RBT will be for Kids Fishing Day in 2011.

SUMMARY

Table 1. Total Production—Fish on Station (08/31/10).

SP	BY	Location	Number	Wt (lbs)	FPP	L in	L mm
SCS	09	A-B Bank RWs	1,087,455	21,272	51	4.0	102
COS	09	BPs 74-76-78-80-82	322,963	8,330	39	4.2	106
SST	10	System I	823,039	27,527	30	4.6	116
SST	10	System II	776,376	30,383	26	4.8	122
SST	10	System III	780,843	48,802	16	5.6	143
RBT	10	BP 59	8,826	751	12	6.0	152
Total			3,799,502	137,065			

Kooskia Trap Operations BY10

The trap was closed throughout September.

Kooskia Brood Year 2010

All Kooskia Stock BY10 eggs are currently being incubated at Dworshak. Enumeration will occur in early to mid-October after eye up. The eggs will then be transported to Kooskia for incubation and hatching.

Kooskia Brood Year 2009

Kooskia Stock BY10 SCS number 658,026 averaging 34.8 fpp at 4.58 inches long. Growth for the month was .51 inches. All Kooskia stock SCS are being reared in the outside BP's, currently on reuse with well water makeup. The reuse water temperature averaged 48.2°F during September. No formalin treatments were administered. Idaho Fish Health Center exams showed healthy fish this month.

Maintenance:

No major activities this month.

ARRA/ Projects:

Egg recirculation system and well rehab:

System start-up was performed on September 16-17. Several problems with the chiller system arose and the next two weeks was spent working out the problems. The system was then run successfully through a 48 hour test September 30 to October 2.

Maintenance

Dworschak

- Electrical Projects: Ran 208-volt circuit for freezer in Feed Bldg. basement; troubleshot H2O cooling problem on Trane furnace in Feed Bldg; researched second pump on emergency power in System I reuse pump house; repaired floor drying fan and troubleshot overload and trip problems on pressure switches on Mech I air compressors and checked, adjusted and started incubator chillers.
- Cleaned and cycled System I digesters; cleaned System II clarifiers and pumped sludge to drying beds.
- Fabrication projects: net frames, brackets & handles; cut and welded aluminum pipe fitting for fish counter; rolls for pond scrubber and broom handle brackets; stanchions for oil boom trolleys to carry oil boom sections during rise and fall of river levels.
- Removed and hauled trees to burn pile.
- Building maintenance and grounds maintenance daily; checked main pumps, traveling water screens and cleaning moss trap in Main Pump House daily..
- Hauled aluminum and metal to COE bone yard.
- Assisted with water in System I.
- Maintenance performed on several hatchery vehicles and equipment.
- Trained staff members in fecal water removal in System II.
- Repaired broken stairs.

Kooskia

Maintenance:

No major activities this month.

Meetings/Training/Travel

Dworshak

- 9/14 LouAnn Lasswell and Steve Coomer, Nez Perce Tribal Fisheries Technicians collected flow data and Jill Olson and Mark Drobish, Hatchery Manager collected water samples for the National Pollutant Discharge Elimination System (NPDES) monthly and quarterly reporting, respectively.
- 9/15 Larry Peltz, Complex Manager and Mark Drobish, Hatchery Manager met with members of the Nez Perce Tribe (NPT) over tribal access on hatchery grounds to further discussions regarding trail improvements to historic tribal fishing areas and “drive-on” access. Legal representatives are now participating in this matter and long-term solutions will lie in their hands.
- 9/20-22 Larry Peltz and Jack Christiansen, Aquatic Engineer toured Hagerman & Magic Valley Fish Hatcheries.
- 9/28-29 Terry Weeks, Maintenance Mechanic and Jill Olson, Fishery Biologist attended “*Environmental and Facility Training,*” at the Tualatin National Wildlife Refuge in Oregon.
- 9/30 Larry Peltz, Jack Christiansen & Mark Drobish met with Tim Dykstra and Ken Fone from the U.S.Army Corps of Engineers regarding IHNV mortality and the Annual Work Plan FY11 budget.

Kooskia

- 9/15 Adam Izbicki, Asst. Hatchery Manager met at DNFH with members of the NPT to discuss transition of management of Kooskia NFH to the NPT.
- 9/21: Kooskia staff was given SPCC training. The training was conducted by Jill Olson.

Miscellaneous

- 9/23 Volunteer Appreciation/Going Away party for Megan Wandag held in the Conference Room. Certificates and water bottles were given to volunteers in appreciation of their hard work during 2010. Megan was presented with a painting as a going-away present from the staff of Dworshak & Kooskia NFH’s.

Personnel Actions –

- 9/23 Last day for Megan Wandag, I/E Specialist who has accepted a position at the Neal Smith National Wildlife Refuge in Prairie City, IA.

Safety/Wellness –

- 9/16 Safety meeting for staff with a video being viewed on Spill Prevention and Countermeasures presented by Mark Drobish, Jill Olsen & Terry Weeks.

Visitor Information:

Visitors signed in: 168 (from Korea, New York, Missouri, Arizona, Nebraska, Kansas, Colorado, Florida, Ohio, Oregon, Washington, Montana and Idaho)

A handwritten signature in black ink that reads "Larry Peltz". The signature is written in a cursive style with a large, prominent "L" and "P".

Larry Peltz

Complex Manager

cc: Kooskia NFH
Hagerman NFH
CFRU – Moscow
Dworshak Production (2)
LSRCP – Boise